

## EAST Search History

| Ref # | Hits | Search Query   | DBs  | Default Operator | Plurals | Time Stamp       |
|-------|------|--|--|------------------|---------|------------------|
| S1    | 2    | "20050180522"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND              | ON      | 2007/03/20 07:06 |
| S2    | 48   | (transmit\$4 and receiv\$4) same<br>(signal and delay\$3 and entropy and<br>encod\$3 and decod\$3)                                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND              | ON      | 2007/03/20 07:13 |
| S3    | 35   | ((transmit\$4 and receiv\$4) same<br>(signal and delay\$3 and entropy and<br>encod\$3 and decod\$3))<br>@ad<"20031108"               | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND              | ON      | 2007/03/20 07:27 |
| S7    | 101  | ((signal) same (delay\$3 and entropy<br>and encod\$3 and decod\$3 and<br>correlat\$4 and symbol\$2))<br>@ad<"20031108"               | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND              | ON      | 2007/03/20 07:57 |
| S8    | 77   | ((signal) same (delay\$3 and entropy<br>and encod\$3 and decod\$3 and<br>correlat\$4 and symbol\$2 and<br>bandwidth)) @ad<"20031108" | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND              | ON      | 2007/03/20 08:10 |
| S9    | 400  | ((signal) with (delay\$3 and entropy))<br>@ad<"20031108"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND              | ON      | 2007/03/20 10:30 |
| S10   | 152  | (S9 and (encod\$3 and decod\$3 and<br>correlat\$4 and symbol\$2 and<br>bandwidth)) @ad<"20031108"                                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND              | ON      | 2007/03/20 10:30 |

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|-----|------|--|--|-----|----|------------------|
| S11 | 11   | "4285048"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/03/20 08:33 |
| S13 | 2    | "20030161392"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/03/20 08:50 |
| S16 | 32   | "5367516"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/03/20 08:57 |
| S22 | 129  | ((signal) near (delay\$3 and entropy)) @ad<"20031108"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/03/20 11:05 |
| S23 | 114  | (S22 and (encod\$3 and decod\$3 and correlat\$4 and symbol\$2 and bandwidth)) @ad<"20031108" | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/03/20 10:30 |
| S25 | 18   | ((signal) with (plurality with delay\$3 and entropy)) @ad<"20031108"                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/03/20 10:48 |
| S28 | 4075 | ((signal) with (plurality near delay\$3)) @ad<"20031108"                                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/03/20 10:57 |

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|     |      |   |  |     |    |                  |
|-----|------|---|--|-----|----|------------------|
| S35 | 5    | ((signal) SAME (delay\$3 and chaotic near map)) @ad<"20031108"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/03/20 11:22 |
| S37 | 322  | ((signal) SAME (delay\$3 and chaotic)) @ad<"20031108"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/03/20 11:22 |
| S38 | 21   | (S37 and entropy) @ad<"20031108"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/03/20 11:23 |
| S39 | 1643 | ((signal) SAME (delay\$3 and entropy or chaotic)) @ad<"20031108"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/03/20 11:53 |
| S40 | 16   | ((signal) SAME (delay\$3 and entropy and chaotic)) @ad<"20031108"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/03/21 06:57 |
| S41 | 22   | ((signal) SAME (delay\$3 and entropy and bandwidth with efficien\$4 and transmit\$4 and receiv\$4)) @ad<"20031108"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/03/20 12:05 |
| S42 | 8    | ((signal) SAME (delay\$3 same entropy and bandwidth with efficien\$4 and transmit\$4 and receiv\$4)) @ad<"20031108" | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/03/21 09:57 |

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|     |     |  |  |     |    |                  |
|-----|-----|--|--|-----|----|------------------|
| S43 | 7   | ((signal) SAME (delay\$3 same entropy and bandwidth with efficien\$4 same noise and transmit\$4 and receiv\$4)) @ad<"20031108" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/03/20 12:10 |
| S49 | 76  | (signal same (delay\$3 WITH (entropy or chaotic))) @ad<"20031108"  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/03/21 07:35 |
| S54 | 15  | (signal with (positive WITH entropy)) @ad<"20031108"   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/03/21 07:43 |
| S57 | 16  | (entropy and plurality near delay)@ad<"20031108"   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/03/21 08:03 |
| S61 | 13  | (signal and (entropy and noise and chaotic and baseband)) @ad<"20031108"   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/03/21 08:25 |
| S62 | 351 | (signal near (entropy)) @ad<"20031108"   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/03/21 08:31 |
| S63 | 246 | (signal near (entropy) and transmit\$4 and receiv\$3) @ad<"20031108"   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/03/21 09:27 |

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|     |        |  |  |     |    |                  |
|-----|--------|--|--|-----|----|------------------|
| S66 | 37     | (signal near (entropy) same transmit\$4 and receiv\$3) @ad<"20031108"  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/03/21 09:39 |
| S67 | 11     | (S66 and delay\$3) @ad<"20031108"  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/03/21 09:29 |
| S68 | 14     | (signal near (entropy) same transmit\$4 and receiv\$3 and bandwidth) @ad<"20031108"                          | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/03/21 09:39 |
| S72 | 13     | (signal WITH ((entropy or chaotic) and delay) same (transmit\$4 and receiv\$3) and bandwidth) @ad<"20031108" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/03/21 09:46 |
| S77 | 271298 | ((signal) with (delay\$3)) @ad<"20031108"  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/03/21 12:24 |
| S78 | 4075   | ((signal) with (plurality near delay\$3)) @ad<"20031108"   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/03/21 10:04 |
| S79 | 5      | (S78 and entropy) @ad<"20031108"   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/03/21 10:08 |

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|     |     |  |  |     |    |                  |
|-----|-----|--|--|-----|----|------------------|
| S80 | 927 | (S77 and entropy) @ad<"20031108"                           | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/03/21 10:09 |
| S81 | 32  | (S80 and chaotic) @ad<"20031108"                           | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/03/21 10:14 |
| S82 | 496 | (S80 and bandwidth)<br>@ad<"20031108"                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/03/21 10:15 |
| S84 | 24  | (S81 and transmit\$4 and receiv\$3)<br>@ad<"20031108"      | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/03/21 10:15 |
| S85 | 457 | (S82 and transmit\$4 and receiv\$3)<br>@ad<"20031108"      | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/03/21 10:18 |
| S86 | 283 | (S85 and correlat\$3)<br>@ad<"20031108"                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/03/21 10:20 |
| S89 | 59  | (entropy and bandwidth near<br>efficien\$4) @ad<"20031108" | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/03/21 10:34 |

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|     |    |   |  |     |    |                  |
|-----|----|---|--|-----|----|------------------|
| S90 | 40 | (entropy and bandwidth near efficien\$4 and delay)<br>@ad<"20031108"                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/03/21 10:34 |
| S91 | 40 | (S90 and transmit\$4 and receiv\$3)<br>@ad<"20031108"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/03/21 10:49 |
| S92 | 19 | "4942467"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/03/21 10:49 |
| S94 | 48 | ((signal) with (delay\$3 and entropy<br>near cod\$4 and decod\$4))<br>@ad<"20031108"                | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/03/21 13:25 |
| S95 | 12 | ((signal) with (delay\$3 and entropy<br>near cod\$4 and decod\$4 and<br>symbol\$2)) @ad<"20031108"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/03/21 14:20 |
| S97 | 1  | ((signal) with (delay\$3 SAME entropy<br>near cod\$4 and decod\$4 and<br>symbol\$2)) @ad<"20031108" | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/03/22 11:43 |
| S98 | 12 | ((signal) with (delay\$3 and entropy<br>near cod\$4 and decod\$4 and<br>symbol\$2)) @ad<"20031108"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/03/21 14:43 |

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|----------|-----|--|--|-----|----|------------------|
| S99      | 26  | ((signal) with (entropy near cod\$4 and decod\$4 and symbol\$2) and delay)<br>@ad<"20031108"           | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/03/21 14:27 |
| S10<br>7 | 5   | ((signal) with (delay\$3 with (symbol\$2)) AND (entropy WITH (cod\$4 and decod\$4)))<br>@ad<"20031108" | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/03/21 16:03 |
| S10<br>9 | 5   | ((signal) SAME (delay\$3 with (symbol\$2)) AND (entropy WITH (cod\$4 and decod\$4)))<br>@ad<"20031108" | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/03/21 16:03 |
| S11<br>0 | 184 | ((signal) SAME (delay\$3 AND (symbol\$2)) AND (entropy WITH (cod\$4 and decod\$4)))<br>@ad<"20031108"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/03/22 06:52 |
| S11<br>3 | 162 | ((signal) SAME (delays AND (symbol\$2)) AND (entropy WITH (cod\$4 and decod\$4)))<br>@ad<"20031108"    | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/03/22 15:05 |
| S12<br>2 | 272 | ((delays) and (entropy WITH (cod\$4 and decod\$4 and signal)))<br>@ad<"20031108"                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/03/22 07:21 |
| S12<br>6 | 5   | "6784812"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/03/22 07:28 |

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|----------|-----|--|--|-----|----|------------------|
| S12<br>9 | 40  | ((entropy WITH carrier))<br>@ad<"20031108"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/03/22 11:52 |
| S13<br>4 | 16  | ((entropy with symbol near encod\$3<br>and symbol near decod\$3 and<br>delay\$3)) @ad<"20031108"                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/03/22 12:01 |
| S13<br>5 | 18  | ((entropy same symbol near encod\$3<br>and symbol near decod\$3 and<br>delay\$3)) @ad<"20031108"                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/03/22 12:05 |
| S13<br>8 | 13  | ((signal WITH entropy) AND (symbol<br>near encod\$3 and symbol near<br>decod\$3 and delay\$3))<br>@ad<"20031108"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/03/22 15:32 |
| S14<br>0 | 13  | ((signal WITH entropy) AND ((symbol<br>near encod\$3 and symbol near<br>decod\$3) and delay\$3))<br>@ad<"20031108" | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/03/22 12:37 |
| S14<br>2 | 351 | ((signal near entropy))<br>@ad<"20031108"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/03/22 13:38 |
| S14<br>7 | 351 | ((signal near entropy))<br>@ad<"20031108"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/03/22 12:48 |

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|          |      |  |  |     |    |                  |
|----------|------|--|--|-----|----|------------------|
| S14<br>8 | 6    | (S147 and (symbol near encod\$3 and symbol near decod\$3)) @ad<"20031108"              | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/03/22 12:50 |
| S15<br>0 | 1914 | ((signal WITH entropy)) @ad<"20031108"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/03/22 15:39 |
| S15<br>1 | 13   | (S150 and (symbol near encod\$3 and symbol near decod\$3 and delay\$3)) @ad<"20031108" | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/03/22 15:40 |
| S15<br>3 | 14   | (S150 and (encod\$3 and decod\$3 and symbol with delay\$3)) @ad<"20031108"             | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/03/22 12:57 |
| S15<br>4 | 16   | (S150 and (symbol with delay\$3)) @ad<"20031108"                                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/03/22 12:57 |
| S15<br>8 | 97   | ((signal near entropy and spread near\$3)) @ad<"20031108"                              | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/03/22 13:42 |
| S16<br>0 | 92   | ((signal near entropy and spread near\$3 and delay)) @ad<"20031108"                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/03/22 13:44 |

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|          |     |  |  |     |    |                  |
|----------|-----|--|--|-----|----|------------------|
| S16<br>3 | 92  | ((signal near entropy and spread<br>near\$3 and delay\$2))<br>@ad<"20031108"                                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/03/22 13:55 |
| S16<br>4 | 171 | ((signal near entropy and transmit\$4<br>and receiv\$3 and delay\$2))<br>@ad<"20031108"                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/03/22 14:05 |
| S16<br>5 | 1   | (S164 and (symbol near encod\$3 and<br>symbol near decod\$3))<br>@ad<"20031108"                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/03/22 13:57 |
| S16<br>6 | 22  | ((signal near entropy SAME<br>(transmit\$4 and receiv\$3)))<br>@ad<"20031108"                                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/03/22 14:05 |
| S16<br>7 | 18  | ("4141034"   "4144543"   "4742391").<br>PN. OR ("4942467").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR   | AND | ON | 2007/03/22 14:27 |
| S16<br>9 | 13  | ((fist near signal) same (second near<br>signal) same (third near signal))<br>@ad<"20031108"                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/03/22 15:10 |
| S17<br>1 | 15  | ((signal same symbol near encod\$3<br>and symbol near decod\$3 and plurality<br>near delay\$3)) @ad<"20031108" | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/03/22 15:11 |

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|          |     |   |  |     |    |                  |
|----------|-----|---|--|-----|----|------------------|
| S17<br>2 | 6   | ((signal) same (symbol near encod\$3 and symbol near decod\$3 and plurality near delay\$3)) @ad<"20031108"          | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/03/22 15:33 |
| S17<br>3 | 2   | ((signal) WITH ((symbol near encod\$3 and symbol near decod\$3) WITH delay\$3)) @ad<"20031108"                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/03/22 15:34 |
| S17<br>4 | 3   | ((signal) SAME ((symbol near encod\$3 and symbol near decod\$3) WITH delay\$3)) @ad<"20031108"                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/03/22 15:35 |
| S17<br>5 | 154 | ((signal) SAME ((symbol near encod\$3 and symbol near decod\$3) near\$20 delay\$3)) @ad<"20031108"                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/03/26 07:54 |
| S17<br>6 | 1   | ((entropy near signal) near\$30 ((symbol near encod\$3 and symbol near decod\$3) near\$20 delay\$3)) @ad<"20031108" | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/03/22 15:38 |
| S17<br>7 | 351 | ((signal near entropy)) @ad<"20031108"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/03/22 15:39 |
| S17<br>8 | 1   | (S177 and ((symbol near encod\$3 and symbol near decod\$3) near\$20 delay\$3)) @ad<"20031108"                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/03/22 15:41 |

## EAST Search History

|          |     |   |  |     |    |                  |
|----------|-----|---|--|-----|----|------------------|
| S18<br>1 | 2   | (S177 and ((symbol near encod\$3 and symbol near decod\$3) and delay\$3)) @ad<"20031108"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/03/22 15:41 |
| S19<br>3 | 162 | ((transmit\$4 and receiv\$3) SAME ((symbol near encod\$3 and symbol near decod\$3 and (delay\$3 or phase near shift)))) @ad<"20031108"              | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/03/26 08:12 |
| S20<br>1 | 35  | ((transmit\$4 and receiv\$3) SAME ((signal and entropy and encod\$3 and decod\$3 and (delay\$3 or phase near shift)))) @ad<"20031108"               | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/03/26 08:14 |
| S20<br>2 | 8   | ((transmit\$4 and receiv\$3) SAME ((signal and entropy and encod\$3 and decod\$3 and (delay\$3 or phase near shift) and symbol\$3))) @ad<"20031108" | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/03/26 08:16 |
| S20<br>3 | 9   | ((transmit\$4 and receiv\$3) SAME ((signal near\$3 entropy and (delay\$3 or phase near shift) and symbol\$3))) @ad<"20031108"                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/03/26 08:20 |
| S20<br>4 | 9   | ((transmit\$4 and receiv\$3) SAME ((signal near\$3 entropy and (delay\$3 or phase near shift) near\$3 symbol\$3))) @ad<"20031108"                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/03/26 08:21 |
| S20<br>5 | 2   | ((transmit\$4 and receiv\$3) SAME ((signal near\$2 entropy and (delay\$3 or phase near shift) with symbol\$3))) @ad<"20031108"                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/03/26 08:22 |

## EAST Search History

|          |     |   |  |     |    |                  |
|----------|-----|---|--|-----|----|------------------|
| S20<br>6 | 68  | ((signal near\$2 entropy and (delay\$3 or phase near shift) with symbol\$3)) @ad<"20031108" | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/03/26 08:28 |
| S20<br>7 | 60  | ((signal near\$1 entropy and (delay\$3 or phase near shift) with symbol\$3)) @ad<"20031108" | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/03/26 08:33 |
| S20<br>8 | 0   | ((entropy near\$1signal and (delay\$3 or phase near shift) with symbol\$3)) @ad<"20031108"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/03/26 08:33 |
| S20<br>9 | 60  | ((entropy near\$1 signal and (delay\$3 or phase near shift) with symbol\$3)) @ad<"20031108" | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/03/26 08:33 |
| S21<br>1 | 214 | ((entropy adj signal)) @ad<"20031108"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/03/26 08:52 |
| S21<br>9 | 139 | ((entropy adj signal) near\$20 (delay\$3)) @ad<"20031108"                                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/03/26 09:44 |
| S22<br>1 | 139 | ((entropy adj signal) near\$20 (delay\$3)) @ad<"20031108"                                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/03/26 09:46 |

## EAST Search History

|          |     |   |  |     |    |                  |
|----------|-----|---|--|-----|----|------------------|
| S22<br>2 | 214 | (entropy adj signal) @ad<"20031108"                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/03/26 09:46 |
| S22<br>3 | 125 | S222 and (delay near\$10 symbol\$3)<br>@ad<"20031108" | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/03/26 09:47 |
| S22<br>4 | 7   | S223 and (first adj signal)<br>@ad<"20031108"         | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/03/26 11:23 |
| S22<br>5 | 0   | "4942467" and decod\$3 near\$10<br>delay\$3           | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/03/26 10:58 |
| S22<br>6 | 19  | "4942467"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/03/26 10:58 |
| S22<br>8 | 2   | S226 and (decod\$3 same delay\$3)                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/03/26 10:59 |
| S22<br>9 | 122 | S223 and (first near signal)<br>@ad<"20031108"        | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/03/26 11:24 |

## EAST Search History

|          |   |  |  |     |    |                  |
|----------|---|--|--|-----|----|------------------|
| S23<br>0 | 1 | S223 and (first near signal and second<br>near signal and third near signal)<br>@ad<"20031108" | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2007/03/26 11:26 |
|----------|---|--|--|-----|----|------------------|